

Author Index to Volume 19

- | | |
|----------------------|-----------------------------|
| Birks, N., 37 | Ohla, K., 99 |
| Dovi, V., 31 | Pawel, R. E., 19 |
| Evans, H. E., 1 | Powell, G. W., 77 |
| Farkas, D., 99 | Rahmel, A., 201 |
| Gesmundo, F., 37, 53 | Sato, Norio, 151 |
| Guruswany, S., 77 | Schorr, M., 201 |
| Hilton, D. A., 1 | Seo, Masahiro, 151 |
| Hirth, J. P., 77 | Singh, P., 37 |
| Holm, R. A., 1 | Tomaszewicz, P., 165 |
| Kofstad, Per, 129 | Varghese, S., 187 |
| Kuroda, K., 117 | Viani, P., 37, 53 |
| Labun, P. A., 117 | Unnikrishnan Nayar, V., 187 |
| Mitchell, T. E., 117 | Wallwork, G. R., 165 |
| Muneera, C. I., 187 | Webster, S. J., 1 |
| Nanni, P., 53 | Welsch, G., 117 |
| | Wu, W. T., 201 |

Subject Index to Volume 19

- Acidic fluxing, Ni-base superalloys in
 $\text{Na}_2\text{SO}_4\text{-K}_2\text{SO}_4$, 201
- Basic fluxing, Ni-base superalloys in
 $\text{Na}_2\text{SO}_4\text{-K}_2\text{SO}_4$, 201
- Carburization, modeling of diffusion processes, 99
- $\text{CO} + \text{CO}_2$, effect of on diffusion in MnO , 129
- Co-Cu alloys, oxidation, 53
- Diffusion, modeling of during carburization, 99
- Doped oxides, calculation of parabolic rate constants during growth on alloys, 27, 31
- Fe-Al, nodule growth during oxidation, 165
- Fe-Cr, early-stage oxidation, 117
- Fe-30Ni, selective oxidation of at low temperatures, 151
- Fe-Si-Al, oxidation of, 77
- Iron sulfide scales, diffusional growth of, 19
- Linear gradient approximation, diffusional growth of iron sulfide scales, 19
- Mathematical model, calculation of rate constants, 27, 31
- Modeling of diffusion during carburization, 99
- MnO , diffusion in, 129
- Ni-Base superalloys, fluxing in sulfates, 201
- Nodule growth, on Fe-Al alloys during oxidation, 165
- Oxide scales, penetration by sulfur, 37
- Parabolic rate constant, calculation of, 27, 31
- Silicon additions, effect of on stainless steel oxidation, 1
- Stainless steel, effect of silicon on oxidation, 1
- Sulfur dioxide, effect of on oxidation of tin, 165
- Sulfur, penetration through oxide scales, 37
- Superalloys, Ni-base, fluxing of in sulfates, 201
- Tin, thin-film oxidation in SO_2 , 165
- Two-phase alloys, Co-Cu oxidation, 53

Instructions to Contributors

1. Manuscripts should be sent to:
Prof. D. L. Douglass
Materials Department
Room 6531, Boelter Hall
University of California at Los Angeles
Los Angeles, California 90024
2. Submission is a representation that the manuscript has not been published previously and is not currently under consideration for publication elsewhere. A statement transferring copyright from the authors (or their employers, if they hold the copyright) to Plenum Publishing Corporation will be required before the manuscript can be accepted for publication. The Editor will supply the necessary forms for this transfer. Such a written transfer of copyright, which previously was assumed to be implicit in the act of submitting a manuscript, is necessary under the new U.S. Copyright Law in order for the publisher to carry through the dissemination of research results and reviews as widely and effectively as possible.
3. Type double-spaced, and submit the original and two copies (including, where possible, copies of all illustrations and tables).
4. An abstract of 150 words or less is to be provided.
5. A list of 4–5 key words is to be provided directly below the abstract. Key words should express the precise content of the manuscript, as they are used for indexing purposes, both internal and external.
6. Illustrations (photographs, drawings, diagrams, and charts) are to be numbered in one consecutive series of Arabic numerals. The captions for illustrations should be typed on a separate sheet of paper. Photographs should be large, glossy prints, showing high contrast. Drawings should be prepared with india ink. Either the original drawings or good-quality photographic prints are acceptable. Identify figures on the back with author's name and number of the illustration.
7. Tables should be numbered and referred to by number in the text. Each table should be typed on a separate sheet of paper.
8. References should be made by using superscript Arabic numerals, and the full references should be given in a list at the end of the paper. For maximum clarity, abbreviations should be avoided in the references. Whenever a book is cited, the number of the relevant chapter should be given.
9. In general, *Oxidation of Metals* follows the recommendations of the American Institute of Physics in their *Style Manual*, and it is suggested that contributors refer to this publication.
10. **The journal makes no page charges.** Reprints are available to authors, and order forms are sent with proofs.

OXIDATION OF METALS

Vol. 19, Nos. 5/6

June 1983

CONTENTS

Observations of Nodule Growth During the Oxidation of Pure Binary Iron-Aluminum Alloys <i>P. Tomaszewicz and G. R. Wallwork</i>	165
Effect of Sulfur Dioxide on the Oxidation of Thin Films of Tin <i>C. I. Muneera, S. Varghese, and V. Unnikrishnan Nayar</i>	187
Acidic and Basic Fluxing of Ni-Base Superalloys in a 90Na ₂ SO ₄ - 10K ₂ SO ₄ Melt at 1173 K <i>W. T. Wu, A. Rahmel, and M. Schorr</i>	201
Author Index to Volume 19	231
Subject Index to Volume 19	233
